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Docket 59057 Serial No. 10/615,562 PATENT APPLICATION

AMENDMENTS TO THE CLAIMS

1. (currently amended) A tooth extraction device, comprising: 1 a handle; 2 a clamp assembly attached to said handle, said clamp assembly comprising a structure for 3 clamping a tooth to be extracted; and a cable attached to the clamp assembly for moving the clamp assembly relative to the 5 handle to extract a tooth; 6 wherein said clamp assembly comprises a pair of clamp links pivotally connected to a 7 carrier block, said clamp links being rotatable to engage opposite sides of a tooth, 8 and said carrier block being movable relative to the handle to extract the tooth; 9 wherein the carrier block is slidable relative to the handle; and 10 wherein said clamp links and said carrier block are arranged such that movement of the 11 cable in a first direction first causes said clamp links to rotate into engagement 12 with opposite sides of a tooth and then subsequently causes said carrier block to 13 slide along the handle to extract the tooth. 14 2. (original) The tooth extraction device according to claim 1, wherein said structure for 1 clamping a tooth comprises a pair of clamp links that engage opposite sides of the tooth. 2

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- 3. (original) The tooth extraction device according to claim 1, wherein said clamp assembly is attached to the handle such that moments applied to the handle are transferred to the tooth to be extracted.
- 4. (original) The tooth extraction device according to claim 1, further comprising a manually operated trigger connected to the cable, said trigger being operable to move the cable relative to the handle.
- 5. (original) The tooth extraction device according to claim 4, further comprising a pinion connected to the trigger for rotation with the trigger, and a rack connected to the cable, the rack and pinion being intermeshed such that rotation of the trigger causes movement of the cable and the clamp assembly relative to the handle.
- 1 6. (canceled)
- 1 7. (canceled)
- 1 8. (canceled)

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- 9. (currently amended) The tooth extraction device according to claim 8 1, wherein said clamp assembly comprises a wedge attached to a free end of the cable, said wedge increasing in thickness in a direction away from the cable, and said clamp links each having a surface that engages a respective opposing side of said wedge, whereby movement of said wedge relative to said clamp links causes said clamp links to rotate on said carrier clamp assembly comprises a pair of toggle links connected to a free end of the cable, said toggle links each being connected to a respective one of said clamp links, whereby movement of said toggle links relative to said carrier block causes said clamp links to rotate on said carrier block.
- 1 10. (currently amended) The tooth extraction device according to claim § 1, wherein said
 2 clamp assembly comprises a pair of toggle links connected to a free end of the cable, said toggle
 3 links each being connected to a respective one of said clamp links, whereby movement of said
 4 toggle links relative to said carrier block causes said clamp links to rotate on said carrier block
- 1 11. (currently amended) The tooth extraction device according to claim 1, wherein said
 2 handle has a handgrip portion at a first end, the clamp assembly attached to a second end, and an
 3 elongated neck portion extending between the first and second ends, and wherein the cable
 4 extends through the neck portion to an actuator located within the handle.
- 1 12. (Original) The tooth extraction device according to claim 1, further comprising at
 2 least one support for engaging a neighboring tooth to provide a reaction force when extracting a
 3 tooth.

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1	13. (original) The tooth extraction device according to claim 12, wherein said at least one
2	support comprises a base support for engaging a first neighboring tooth on a proximal side of the
3	clamp assembly, and a removable tooth support for engaging a second neighboring tooth on a
4	distal side of the clamp assembly.
1	Claims 14-17 (canceled)
1	18. (currently amended) A tooth extraction device, comprising:
2	a handle;
3	a clamp assembly attached to said handle, said clamp assembly comprising a pair of
4	clamp links pivotally connected to a carrier block, said clamp links being
5	rotatable to engage opposite sides of a tooth, and said carrier block being slidably
6	movable relative to the handle to extract the tooth;
7	a cable attached to the clamp assembly for moving the clamp assembly relative to the
8	handle to extract a tooth;
9	an actuator for moving the cable within the handle; and
10	a support for engaging a neighboring tooth to provide a reaction force when extracting a
11	tooth; and
12	wherein said clamp assembly and said carrier block are arranged such that movement of
13	the cable in a first direction first causes said clamp links to rotate into engagement
14	with opposite sides of a tooth and then subsequently causes said carrier block to

slide along the handle to extract the tooth.

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- 1 19. (original) The tooth extraction device according to claim 18, further comprising a
 2 manually operated trigger connected to the cable, said trigger being operable to move the cable
 3 relative to the handle.
- 20. (original) The tooth extraction device according to claim 19, further comprising a pinion connected to the trigger for rotation with the trigger, and a rack connected to the cable, the rack and pinion being intermeshed such that rotation of the trigger causes movement of the cable and the clamp assembly relative to the handle.

21. (canceled)

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